

TDMS No. 93020 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

DIISOPROPYLCARBODIIMIDE

CAS Number: 693-13-0

Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Final #2/Rats

Date Report Reqstd: 08/08/2005

Time Report Reqstd: 08:53:32

First Dose M/F: 09/06/94 / 09/07/94

Lab: MBA

C Number: C93020

Lock Date: 05/16/1995

Cage Range: ALL

Date Range: ALL

Reasons For Removal: ALL

Removal Date Range: ALL

Treatment Groups: Include ALL

TDMS No. 93020 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

DIISOPROPYLCARBODIIMIDE

CAS Number: 693-13-0

Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqsted: 08/08/2005

Time Report Reqsted: 08:53:32

First Dose M/F: 09/06/94 / 09/07/94

Lab: MBA

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
0 MG/KG	0	0	0	0	0	0	0	0	0	0
	1	2	3	4	5	6	7	8	9	0

*** TOTALS****ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver Periportal, Vacuolization Cytoplasmic	+	+	+	+	+	+	+	+	+	+	10
											1 1.0
Pancreas Acinus, Atrophy, Focal	+	+	+	+	+	+	+	+	+	+	10
											1 1.0
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10

* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93020 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

DIISOPROPYLCARBODIIMIDE

CAS Number: 693-13-0

Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqstd: 08/08/2005

Time Report Reqstd: 08:53:32

First Dose M/F: 09/06/94 / 09/07/94

Lab: MBA

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
0 MG/KG	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+
										10

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+
										10
Heart	+	+	+	+	+	+	+	+	+	+
Cardiomyopathy	2				1	1				1
										10
										4 1.3

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+
										10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+
										10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+
										10
Parathyroid Gland	M	+	+	M	+	+	+	M	+	M
										6
Pituitary Gland	+	+	+	+	+	+	+	+	+	+
										10
Thyroid Gland	+	+	+	+	+	+	+	M	+	+
										9

GENERAL BODY SYSTEM

NONE

* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93020 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

DIISOPROPYLCARBODIIMIDE

CAS Number: 693-13-0

Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqsted: 08/08/2005

Time Report Reqsted: 08:53:32

First Dose M/F: 09/06/94 / 09/07/94

Lab: MBA

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
0 MG/KG	0	0	0	0	0	0	0	0	0	0
	1	2	3	4	5	6	7	8	9	0

*** TOTALS****GENITAL SYSTEM**

Epididymis	+	+	+	+	+	+	+	+	+	+	10
Preputial Gland	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic Active				3		1					2 2.0
Prostate	+	+	+	+	+	+	+	+	+	+	10
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	10
Testes	+	+	+	+	+	+	+	+	+	+	10

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	10
Hyperplasia, Lymphoid						2					1 2.0
Hyperplasia, Plasma Cell						2					1 2.0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10
Necrosis					1						1 1.0
Spleen	+	+	+	+	+	+	+	+	+	+	10

* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93020 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

DIISOPROPYLCARBODIIMIDE

CAS Number: 693-13-0

Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqsted: 08/08/2005

Time Report Reqsted: 08:53:32

First Dose M/F: 09/06/94 / 09/07/94

Lab: MBA

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
0 MG/KG	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									
Thymus	+	+	+	+	+	+	+	+	+	+

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+
Skin	+	+	+	+	+	+	+	+	+	+

MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	+	+	+	+	+
Skeletal Muscle	+	+	+	+	+	+	+	M	+	+

NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+
Peripheral Nerve	+	+	+	+	+	+	+	+	+	+
Spinal Cord	+	+	+	+	+	+	+	+	+	+

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+

* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93020 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

DIISOPROPYLCARBODIIMIDE

CAS Number: 693-13-0

Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqsted: 08/08/2005

Time Report Reqsted: 08:53:32

First Dose M/F: 09/06/94 / 09/07/94

Lab: MBA

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
0 MG/KG	0	0	0	0	0	0	0	0	0	0
	1	2	3	4	5	6	7	8	9	0

*** TOTALS**

Perivascular, Infiltration Cellular, Lymphocyte	1	1	3	3 1.7
Interstitial, Inflammation, Chronic Active		1		1 1.0
Alveolus, Infiltration Cellular, Histiocyte			1	1 1.0
Nose	+	+	+	10
Respiratory Epithelium, Inflammation, Chronic Active		2	1	3 1.3
Trachea	+	+	+	10

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

Kidney Nephropathy	+	+	+	+	+	+	+	+	+	+	10	5 1.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10	

* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93020 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

DIISOPROPYLCARBODIIMIDE

CAS Number: 693-13-0

Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqstd: 08/08/2005

Time Report Reqstd: 08:53:32

First Dose M/F: 09/06/94 / 09/07/94

Lab: MBA

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
<hr/>										
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
10 MG/KG	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0
<hr/>										
	* TOTALS									

ALIMENTARY SYSTEM

NONE

CARDIOVASCULAR SYSTEM

Heart
Cardiomyopathy

+	+	+	+	+	+	+	+	+	+	10
										4 1.0
1							1	1	1	

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

NONE

HEMATOPOIETIC SYSTEM

Spleen

+	+	+	+	+	+	+	+	+	+	10

Thymus

+	+	+	+	+	+	+	+	+	+	10

INTEGUMENTARY SYSTEM

* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93020 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

DIISOPROPYLCARBODIIMIDE

CAS Number: 693-13-0

Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqsted: 08/08/2005

Time Report Reqsted: 08:53:32

First Dose M/F: 09/06/94 / 09/07/94

Lab: MBA

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
<hr/>										
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
10 MG/KG	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0
<hr/>										
	* TOTALS									

Skin + + + + + + + + + + 10
 Epidermis, Skin, Site Of Application, 1 1 1 1 1 5 1.0
 Hyperplasia

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

Brain + + + + + + + + + + 10

RESPIRATORY SYSTEM

NONE

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

NONE

* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 8

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93020 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

DIISOPROPYLCARBODIIMIDE

CAS Number: 693-13-0

Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqstd: 08/08/2005

Time Report Reqstd: 08:53:32

First Dose M/F: 09/06/94 / 09/07/94

Lab: MBA

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
<hr/>										
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
20 MG/KG	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	3
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

ALIMENTARY SYSTEM

NONE

CARDIOVASCULAR SYSTEM

Heart
Cardiomyopathy

+	+	+	+	+	+	+	+	+	+	10
1	1	1	1			1		1		6 1.0

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

NONE

HEMATOPOIETIC SYSTEM

Spleen

+	+	+	+	+	+	+	+	+	+	10
---	---	---	---	---	---	---	---	---	---	----

Thymus

+	+	+	+	+	+	+	+	+	+	10
---	---	---	---	---	---	---	---	---	---	----

INTEGUMENTARY SYSTEM

* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93020 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

DIISOPROPYLCARBODIIMIDE

CAS Number: 693-13-0

Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqsted: 08/08/2005

Time Report Reqsted: 08:53:32

First Dose M/F: 09/06/94 / 09/07/94

Lab: MBA

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
<hr/>										
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
20 MG/KG	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	3
	1	2	3	4	5	6	7	8	9	0
<hr/>										
	* TOTALS									

Skin	+	+	+	+	+	+	+	+	+	+	10
Epidermis, Skin, Site Of Application, Hyperplasia	1	1	1	1	1	1	1	1	1	1	7 1.0

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

Brain

+ + + + + + + + + +

10

RESPIRATORY SYSTEM

NONE

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

NONE

* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93020 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

DIISOPROPYLCARBODIIMIDE

CAS Number: 693-13-0

Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqsted: 08/08/2005

Time Report Reqsted: 08:53:32

First Dose M/F: 09/06/94 / 09/07/94

Lab: MBA

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
40 MG/KG	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	4
	1	2	3	4	5	6	7	8	9	0

*** TOTALS****ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular Infiltration Cellular, Mixed Cell	+	+	+	+	+	+	+	+	+	+	10
					1						1 1.0

* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93020 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

DIISOPROPYLCARBODIIMIDE

CAS Number: 693-13-0

Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqstd: 08/08/2005

Time Report Reqstd: 08:53:32

First Dose M/F: 09/06/94 / 09/07/94

Lab: MBA

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
40 MG/KG	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	4
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									
Cyst					2					1 2.0

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+	10
Heart Cardiomyopathy	+	+	+	+	+	+	+	+	+	+	10
	1	1		1		1					4 1.0

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	+	+	M	+	M	+	M	+	+	7
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10

GENERAL BODY SYSTEM

NONE

* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93020 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

DIISOPROPYLCARBODIIMIDE

CAS Number: 693-13-0

Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqsted: 08/08/2005

Time Report Reqsted: 08:53:32

First Dose M/F: 09/06/94 / 09/07/94

Lab: MBA

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
40 MG/KG	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	4
	1	2	3	4	5	6	7	8	9	0

*** TOTALS****GENITAL SYSTEM**

Epididymis	+	+	+	+	+	+	+	+	+	+	10
Preputial Gland Inflammation, Chronic Active	+	+	+	+	+	+	+	+	+	+	10
						2	3				2.5
Prostate	+	+	+	+	+	+	+	+	+	+	10
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	10
Testes	+	+	+	+	+	+	+	+	+	+	10

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mandibular Hemorrhage	+	+	+	+	+	+	+	+	+	+	10
							1				1.0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10
Spleen	+	+	+	+	+	+	+	+	+	+	10
Thymus	+	+	+	+	+	+	+	+	+	+	10

* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93020 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

DIISOPROPYLCARBODIIMIDE

CAS Number: 693-13-0

Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqsted: 08/08/2005

Time Report Reqsted: 08:53:32

First Dose M/F: 09/06/94 / 09/07/94

Lab: MBA

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
40 MG/KG	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	4
	1	2	3	4	5	6	7	8	9	0

*** TOTALS****INTEGUMENTARY SYSTEM**

Mammary Gland	+	+	+	+	+	M	+	+	+	+	9
Skin	+	+	+	+	+	+	+	+	+	+	10
Epidermis, Skin, Site Of Application, Hyperplasia	1	2	2	1	1	1	2	2	2	2	
Skin, Site Of Application, Inflammation, Chronic Active						1					10 1.6

MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	+	+	+	+	+	10
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	10

NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	10
Peripheral Nerve	+	+	+	+	+	M	+	+	+	+	9
Spinal Cord	+	+	+	+	+	+	+	+	+	+	10

RESPIRATORY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93020 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

DIISOPROPYLCARBODIIMIDE

CAS Number: 693-13-0

Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqstd: 08/08/2005

Time Report Reqstd: 08:53:32

First Dose M/F: 09/06/94 / 09/07/94

Lab: MBA

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
40 MG/KG	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	4
	1	2	3	4	5	6	7	8	9	0

*** TOTALS**

Lung	+	+	+	+	+	+	+	+	+	+
Perivascular, Infiltration Cellular, Lymphocyte			1	1	1		1	1	1	
Nose	+	+	+	+	+	+	+	+	+	+
Respiratory Epithelium, Inflammation, Chronic Active				1						
Squamous Epithelium, Inflammation, Chronic					1					
Trachea	+	+	+	+	+	+	+	+	+	+

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

Kidney Nephropathy	+	+	+	+	+	+	+	+	+	+
			1			1				
Urinary Bladder	+	+	+	+	+	+	+	+	+	+

* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93020 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

DIISOPROPYLCARBODIIMIDE

CAS Number: 693-13-0

Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqsted: 08/08/2005

Time Report Reqsted: 08:53:32

First Dose M/F: 09/06/94 / 09/07/94

Lab: MBA

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	2	4	2	2	2	3	2	2	1	2
	5	6	4	5	5	2	1	4	8	1
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
80 MG/KG	0	0	0	0	0	0	0	0	0	0
	4	4	4	4	4	4	4	4	4	5
	1	2	3	4	5	6	7	8	9	0

*** TOTALS****ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Centrilobular, Congestion	2	2	1				1				4 1.5
Centrilobular, Vacuolization Cytoplasmic							1				1 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10

* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93020 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

DIISOPROPYLCARBODIIMIDE

CAS Number: 693-13-0

Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqsted: 08/08/2005

Time Report Reqsted: 08:53:32

First Dose M/F: 09/06/94 / 09/07/94

Lab: MBA

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	2	4	2	2	2	3	2	2	1	2
	5	6	4	5	5	2	1	4	8	1
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
80 MG/KG	0	0	0	0	0	0	0	0	0	0
	4	4	4	4	4	4	4	4	4	5
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+
										10

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+
										10
Heart	+	+	+	+	+	+	+	+	+	+
Cardiomyopathy	2	1	1			1	1			10
Artery, Inflammation, Chronic Active			1							
										5 1.2
										1 1.0

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+
										10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+
										10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+
										10
Parathyroid Gland	M	+	+	+	+	+	+	+	+	+
										9
Pituitary Gland	+	+	+	+	+	+	+	M	+	+
										9
Thyroid Gland	+	+	+	+	+	+	+	+	+	+
										10

GENERAL BODY SYSTEM

NONE

* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93020 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

DIISOPROPYLCARBODIIMIDE

CAS Number: 693-13-0

Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqsted: 08/08/2005

Time Report Reqsted: 08:53:32

First Dose M/F: 09/06/94 / 09/07/94

Lab: MBA

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	2	4	2	2	2	3	2	2	1	2
	5	6	4	5	5	2	1	4	8	1
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
80 MG/KG	0	0	0	0	0	0	0	0	0	0
	4	4	4	4	4	4	4	4	4	5
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	10
Preputial Gland	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic Active							2				1 2.0
Prostate	+	+	+	+	+	+	+	+	+	+	10
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	10
Testes	+	+	+	+	+	+	+	+	+	+	10

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10
Spleen	+	+	+	+	+	+	+	+	+	+	10
Thymus	+	+	+	+	+	+	+	+	+	+	10
Necrosis	2		2								2 2.0

* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93020 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

DIISOPROPYLCARBODIIMIDE

CAS Number: 693-13-0

Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqstd: 08/08/2005

Time Report Reqstd: 08:53:32

First Dose M/F: 09/06/94 / 09/07/94

Lab: MBA

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	2	4	2	2	2	3	2	2	1	2
	5	6	4	5	5	2	1	4	8	1
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
80 MG/KG	0	0	0	0	0	0	0	0	0	0
	4	4	4	4	4	4	4	4	4	5
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									
Hemorrhage			3				2			2 2.5
Atrophy					2			3		2 2.5

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	10
Skin	+	+	+	+	+	+	+	+	+	+	10
Epidermis, Skin, Site Of Application, Hyperplasia	3	1	1	2	1	1	3	2	3	3	10 2.0
Skin, Site Of Application, Inflammation, Chronic Active	2		1	1			3	1	2	2	7 1.7

MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	+	+	+	+	+	10
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	10

NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	10
Edema, Focal	1	1	1	1		1					5 1.0
Neuron, Necrosis	3	4	3	3	1	2	2				8 2.6
Hemorrhage						1					1 1.0
Peripheral Nerve	+	+	+	+	+	+	+	+	+	+	10

* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93020 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

DIISOPROPYLCARBODIIMIDE

CAS Number: 693-13-0

Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqsted: 08/08/2005

Time Report Reqsted: 08:53:32

First Dose M/F: 09/06/94 / 09/07/94

Lab: MBA

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	2	4	2	2	2	3	2	2	1	2
	5	6	4	5	5	2	1	4	8	1
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
80 MG/KG	0	0	0	0	0	0	0	0	0	0
	4	4	4	4	4	4	4	4	4	5
	1	2	3	4	5	6	7	8	9	0

*** TOTALS**

Spinal Cord

+ + + + + + + + + + 10

RESPIRATORY SYSTEM

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|-------|
| Lung | + | + | + | + | + | + | + | + | + | + | 10 |
| Congestion | 4 | | 4 | 2 | | 2 | | | | | 5 2.8 |
| Hemorrhage | 2 | | | | | | | | | | 1 2.0 |
| Perivascular, Infiltration Cellular,
Lymphocyte | | 2 | | | | | | | | | 1 2.0 |
| Interstitium, Inflammation, Chronic Active | | 2 | | | | | | | | | 1 2.0 |
| Alveolus, Infiltration Cellular, Histiocyte | | | | | | | 1 | | | | 1 1.0 |
| Nose | + | + | + | + | + | + | + | + | + | + | 10 |
| Respiratory Epithelium, Inflammation,
Chronic Active | | | 2 | | | | | | | | 1 2.0 |
| Trachea | + | + | + | + | + | + | + | + | + | + | 10 |

SPECIAL SENSES SYSTEM

| | | |
|--|---|-------|
| Eye | + | 1 |
| Cornea, Bilateral, Degeneration, Focal | 2 | 1 2.0 |

URINARY SYSTEM

| | | | | | | | | | | | |
|--------|---|---|---|---|---|---|---|---|---|---|----|
| Kidney | + | + | + | + | + | + | + | + | + | + | 10 |
|--------|---|---|---|---|---|---|---|---|---|---|----|

* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93020 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

DIISOPROPYLCARBODIIMIDE

CAS Number: 693-13-0

Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqsted: 08/08/2005

Time Report Reqsted: 08:53:32

First Dose M/F: 09/06/94 / 09/07/94

Lab: MBA

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|------------------------------|---|---|---|---|---|---|---|---|---|---|
| | 2 | 4 | 2 | 2 | 2 | 3 | 2 | 2 | 1 | 2 |
| | 5 | 6 | 4 | 5 | 5 | 2 | 1 | 4 | 8 | 1 |
| <hr/> | | | | | | | | | | |
| FISCHER 344 RATS MALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| 80 MG/KG | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

* TOTALS

Urinary Bladder

+ + + + + + + + + +

10

* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93020 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

DIISOPROPYLCARBODIIMIDE

CAS Number: 693-13-0

Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqsted: 08/08/2005

Time Report Reqsted: 08:53:32

First Dose M/F: 09/06/94 / 09/07/94

Lab: MBA

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-------------------------------|---|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 4 | 4 | 4 | 7 | 7 | 4 | 4 | 4 | 4 | 7 |
| FISCHER 344 RATS MALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID
160 MG/KG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

*** TOTALS****ALIMENTARY SYSTEM**

| | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|-------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | 10 |
| Liver | + | + | + | + | + | + | + | + | + | + | 10 |
| Centrilobular, Congestion | 3 | 3 | 3 | | 1 | 2 | | 2 | | | 6 2.3 |
| Centrilobular, Vacuolization Cytoplasmic | 2 | 2 | 2 | | 1 | 1 | 1 | | | | 6 1.5 |
| Pancreas | + | + | + | + | + | + | + | + | + | + | 9 |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | 10 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | 10 |

* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93020 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

DIISOPROPYLCARBODIIMIDE

CAS Number: 693-13-0

Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqstd: 08/08/2005

Time Report Reqstd: 08:53:32

First Dose M/F: 09/06/94 / 09/07/94

Lab: MBA

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|------------------------------|-----------------|---|---|---|---|---|---|---|---|----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 4 | 4 | 4 | 7 | 7 | 4 | 4 | 4 | 4 | 7 |
| FISCHER 344 RATS MALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 160 MG/KG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| | * TOTALS | | | | | | | | | |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | | 10 |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | |
|-------------------------|---|---|---|---|---|---|---|---|---|-------|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | | 10 |
| Heart
Cardiomyopathy | + | + | + | + | + | + | + | + | + | + |
| | | | | 3 | 3 | | | | | 10 |
| | | | | | | | | | | 3 2.7 |

ENDOCRINE SYSTEM

| | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|----|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | | 10 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | | 10 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | | 10 |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | | 10 |
| Pituitary Gland | + | + | + | M | + | + | + | + | + | + |
| | | | | | | | | | | 9 |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | | 10 |

GENERAL BODY SYSTEM

NONE

* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93020 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

DIISOPROPYLCARBODIIMIDE

CAS Number: 693-13-0

Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqsted: 08/08/2005

Time Report Reqsted: 08:53:32

First Dose M/F: 09/06/94 / 09/07/94

Lab: MBA

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-------------------------------|---|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 4 | 4 | 4 | 7 | 7 | 4 | 4 | 4 | 4 | 7 |
| FISCHER 344 RATS MALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID
160 MG/KG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

*** TOTALS****GENITAL SYSTEM**

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|-------|
| Epididymis | + | + | + | + | + | + | + | + | + | + | 10 |
| Preputial Gland
Inflammation, Chronic Active | + | + | + | + | + | + | + | + | + | + | 10 |
| | | | | | | 2 | 1 | 1 | 1 | | 4 1.3 |
| Prostate | + | + | + | + | + | + | + | + | + | + | 10 |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | 10 |
| Testes | + | + | + | + | + | + | + | + | + | + | 10 |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|-------|
| Bone Marrow
Hemorrhage | + | + | + | + | + | + | + | + | + | + | 10 |
| | | | | | 3 | | | | | 2 | 2 2.5 |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | 10 |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | 10 |
| Spleen
Lymphoid Follicle, Depletion Cellular | + | + | + | + | + | + | + | + | + | + | 10 |
| | | | | | 2 | | | | | | 1 2.0 |
| Thymus | + | + | + | + | + | + | + | + | + | + | 10 |

* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93020 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

DIISOPROPYLCARBODIIMIDE

CAS Number: 693-13-0

Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqsted: 08/08/2005

Time Report Reqsted: 08:53:32

First Dose M/F: 09/06/94 / 09/07/94

Lab: MBA

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-------------------------------|-----------------|---|---|---|---|---|---|---|---|-------|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 4 | 4 | 4 | 7 | 7 | 4 | 4 | 4 | 4 | 7 |
| FISCHER 344 RATS MALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID
160 MG/KG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| | * TOTALS | | | | | | | | | |
| Atrophy | 2 | 2 | | | | 3 | | | | 3 2.3 |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|--------|
| Mammary Gland | + | M | M | M | + | + | + | M | M | + | 5 |
| Skin | + | + | + | + | + | + | + | + | + | + | 10 |
| Skin, Site Of Application, Inflammation,
Chronic Active | 2 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 4 | 3 | 10 2.8 |
| Epidermis, Skin, Site Of Application,
Necrosis, Focal | 3 | 4 | 4 | 2 | | 3 | 4 | 3 | 1 | 2 | 9 2.9 |
| Epidermis, Skin, Site Of Application,
Hyperplasia | | | | | 2 | | | 2 | 3 | | 3 2.3 |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|----|
| Bone | + | + | + | + | + | + | + | + | + | + | 10 |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | 10 |

NERVOUS SYSTEM

| | | | | | | | | | | | |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|-------|
| Brain | + | + | + | + | + | + | + | + | + | + | 10 |
| Hemorrhage | | | | 3 | 3 | 2 | 1 | | | | 4 2.3 |
| Arteriole, Necrosis, Fibrinoid | | | | 1 | | | | | | | 1 1.0 |
| Congestion | | | | | 3 | | | | | | 1 3.0 |
| Edema, Focal | | | | | | 1 | | | | | 1 1.0 |

* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93020 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

DIISOPROPYLCARBODIIMIDE

CAS Number: 693-13-0

Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqsted: 08/08/2005

Time Report Reqsted: 08:53:32

First Dose M/F: 09/06/94 / 09/07/94

Lab: MBA

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|------------------------------|---|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 4 | 4 | 4 | 7 | 7 | 4 | 4 | 4 | 4 | 7 |
| FISCHER 344 RATS MALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 160 MG/KG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

*** TOTALS**

| | | | | | | | | | | | |
|------------------|---|---|---|---|---|---|---|---|---|---|----|
| Peripheral Nerve | + | + | + | + | + | + | + | + | + | + | 10 |
| Spinal Cord | + | + | + | + | + | + | + | + | + | + | 10 |

RESPIRATORY SYSTEM

| | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|-------|
| Lung Congestion | + | + | + | + | + | + | + | + | + | + | 10 |
| | 3 | | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 8 2.8 |
| Nose | + | + | + | + | + | + | + | + | + | + | 10 |
| Respiratory Epithelium, Inflammation, Chronic Active | 2 | 1 | 1 | 2 | | | | | | | 5 1.4 |
| Respiratory Epithelium, Metaplasia, Squamous | 3 | 1 | 1 | | | | | | | | 3 1.7 |
| Squamous Epithelium, Inflammation, Chronic Active | | | 2 | | | | | | | | 1 2.0 |
| Pleura | + | | | | | | | | | | 1 |
| Trachea | + | + | + | + | + | + | + | + | + | + | 10 |

SPECIAL SENSES SYSTEM

| | | |
|-----------------|---|---|
| Harderian Gland | + | 1 |
|-----------------|---|---|

* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93020 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

DIISOPROPYLCARBODIIMIDE

CAS Number: 693-13-0

Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqsted: 08/08/2005

Time Report Reqsted: 08:53:32

First Dose M/F: 09/06/94 / 09/07/94

Lab: MBA

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-----------------------|---|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 4 | 4 | 4 | 7 | 7 | 4 | 4 | 4 | 4 | 7 |
| FISCHER 344 RATS MALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 160 MG/KG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

* TOTALS

URINARY SYSTEM

| | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|----|
| Kidney | + | + | + | + | + | + | + | + | + | + | 10 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | 10 |

*** END OF MALE DATA ***

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93020 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

DIISOPROPYLCARBODIIMIDE

CAS Number: 693-13-0

Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqsted: 08/08/2005

Time Report Reqsted: 08:53:32

First Dose M/F: 09/06/94 / 09/07/94

Lab: MBA

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|
| | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| FISCHER 344 RATS FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 MG/KG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

*** TOTALS****ALIMENTARY SYSTEM**

| | | | | | | | | | | | |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|-------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | 10 |
| Liver | + | + | + | + | + | + | + | + | + | + | 10 |
| Pancreas | + | + | + | + | + | + | + | + | + | + | 10 |
| Acinus, Cytoplasmic Alteration, Focal | | | | | | | | | | | 1 2.0 |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | 10 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | 10 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | 10 |

* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93020 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

DIISOPROPYLCARBODIIMIDE

CAS Number: 693-13-0

Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqsted: 08/08/2005

Time Report Reqsted: 08:53:32

First Dose M/F: 09/06/94 / 09/07/94

Lab: MBA

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
|--------------------------------|---|---|---|---|---|---|---|---|---|-----------------|--|
| | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| <hr/> | | | | | | | | | | | |
| FISCHER 344 RATS FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 0 MG/KG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | |
| <hr/> | | | | | | | | | | * TOTALS | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | |
|--------------|---|---|---|---|---|---|---|---|---|---|----|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | 10 |
| Heart | + | + | + | + | + | + | + | + | + | + | 10 |

ENDOCRINE SYSTEM

| | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|-------|
| Adrenal Cortex
Hypertrophy, Focal | + | + | + | + | + | + | + | + | + | + | 10 |
| | | | | | | | 2 | | | | 1 2.0 |
| Adrenal Medulla | + | M | + | + | + | + | + | + | + | + | 9 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | 10 |
| Parathyroid Gland | + | + | + | + | + | + | + | M | + | + | 9 |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | 10 |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | 10 |

GENERAL BODY SYSTEM

NONE

* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93020 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

DIISOPROPYLCARBODIIMIDE

CAS Number: 693-13-0

Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqsted: 08/08/2005

Time Report Reqsted: 08:53:32

First Dose M/F: 09/06/94 / 09/07/94

Lab: MBA

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|
| | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| FISCHER 344 RATS FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 MG/KG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

*** TOTALS****GENITAL SYSTEM**

| | | | | | | | | | | | |
|----------------|---|---|---|---|---|---|---|---|---|---|----|
| Clitoral Gland | + | + | + | + | + | + | M | M | + | + | 8 |
| Ovary | + | + | + | + | + | + | + | + | + | + | 10 |
| Uterus | + | + | + | + | + | + | + | + | + | + | 10 |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | |
|--------------------------|---|---|---|---|---|---|---|---|---|---|-------|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | 10 |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | 10 |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | 10 |
| Hyperplasia, Histiocytic | | | | | | | | | | | 1 2.0 |
| Spleen | + | + | + | + | + | + | + | + | + | + | 10 |
| Thymus | + | + | + | + | + | + | + | + | + | + | 10 |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | |
|---------------|---|---|---|---|---|---|---|---|---|---|----|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | 10 |
|---------------|---|---|---|---|---|---|---|---|---|---|----|

* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93020 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

DIISOPROPYLCARBODIIMIDE

CAS Number: 693-13-0

Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqsted: 08/08/2005

Time Report Reqsted: 08:53:32

First Dose M/F: 09/06/94 / 09/07/94

Lab: MBA

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--------------------------------|-----------------|---|---|---|---|---|---|---|---|---|
| | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| <hr/> | | | | | | | | | | |
| FISCHER 344 RATS FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 MG/KG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| <hr/> | | | | | | | | | | |
| | * TOTALS | | | | | | | | | |

| | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|----|-----|
| Skin | + | + | + | + | + | + | + | + | + | + | 10 | |
| Epidermis, Skin, Site Of Application,
Hyperplasia | | | | | | | 1 | | | | 1 | 1.0 |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|----|--|
| Bone | + | + | + | + | + | + | + | + | + | + | 10 | |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | 10 | |

NERVOUS SYSTEM

| | | | | | | | | | | | | |
|------------------|---|---|---|---|---|---|---|---|---|---|----|--|
| Brain | + | + | + | + | + | + | + | + | + | + | 10 | |
| Peripheral Nerve | + | + | + | + | + | + | + | + | + | + | 10 | |
| Spinal Cord | + | + | + | + | + | + | + | + | + | + | 10 | |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|----|-----|
| Lung | + | + | + | + | + | + | + | + | + | + | 10 | |
| Perivascular, Infiltration Cellular,
Lymphocyte | 1 | 1 | | | | 1 | 2 | | | | 4 | 1.3 |
| Interstitial, Inflammation, Chronic Active | | | | | | | 2 | | | | 1 | 2.0 |
| <hr/> | | | | | | | | | | | | |
| Nose | + | + | + | + | + | + | + | + | + | + | 10 | |

* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93020 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

DIISOPROPYLCARBODIIMIDE

CAS Number: 693-13-0

Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqstd: 08/08/2005

Time Report Reqstd: 08:53:32

First Dose M/F: 09/06/94 / 09/07/94

Lab: MBA

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|
| | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| <hr/> | | | | | | | | | | |
| FISCHER 344 RATS FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 MG/KG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

*** TOTALS**

| | | |
|---|---|-------|
| Respiratory Epithelium, Inflammation,
Chronic Active | 1 | 1 1.0 |
| Olfactory Epithelium, Atrophy | 1 | 1 1.0 |
| Trachea | + | 10 |

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

| | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|-------|
| Kidney
Medulla, Mineralization | + | + | + | + | + | + | + | + | + | + | 10 |
| | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 1.0 |

| | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|----|
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | 10 |
|-----------------|---|---|---|---|---|---|---|---|---|---|----|

* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 32

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93020 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

DIISOPROPYLCARBODIIMIDE

CAS Number: 693-13-0

Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqsted: 08/08/2005

Time Report Reqsted: 08:53:32

First Dose M/F: 09/06/94 / 09/07/94

Lab: MBA

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|
| | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| <hr/> | | | | | | | | | | |
| FISCHER 344 RATS FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 MG/KG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

*** TOTALS****ALIMENTARY SYSTEM**

NONE

CARDIOVASCULAR SYSTEM

Heart

+ + + + + + + + + + 10

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Uterus

+ 1

HEMATOPOIETIC SYSTEM

Spleen

+ + + + + + + + + + 10

Thymus

+ + + + + + + + + + 10

* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93020 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

DIISOPROPYLCARBODIIMIDE

CAS Number: 693-13-0

Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqsted: 08/08/2005

Time Report Reqsted: 08:53:32

First Dose M/F: 09/06/94 / 09/07/94

Lab: MBA

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--------------------------------|-----------------|---|---|---|---|---|---|---|---|---|
| | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| <hr/> | | | | | | | | | | |
| FISCHER 344 RATS FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 MG/KG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| <hr/> | | | | | | | | | | |
| | | | | | | | | | | |
| | * TOTALS | | | | | | | | | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|----|-----|
| Skin | + | + | + | + | + | + | + | + | + | + | 10 | |
| Epidermis, Skin, Site Of Application,
Hyperplasia | | | | | 1 | 1 | | | | | 2 | 1.0 |

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

| | | | | | | | | | | | | |
|-------|---|---|---|---|---|---|---|---|---|---|----|--|
| Brain | + | + | + | + | + | + | + | + | + | + | 10 | |
|-------|---|---|---|---|---|---|---|---|---|---|----|--|

RESPIRATORY SYSTEM

NONE

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

NONE

* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93020 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

DIISOPROPYLCARBODIIMIDE

CAS Number: 693-13-0

Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqsted: 08/08/2005

Time Report Reqsted: 08:53:32

First Dose M/F: 09/06/94 / 09/07/94

Lab: MBA

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|
| | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| <hr/> | | | | | | | | | | |
| FISCHER 344 RATS FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 MG/KG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

*** TOTALS****ALIMENTARY SYSTEM**

NONE

CARDIOVASCULAR SYSTEMHeart
Cardiomyopathy

+ + + + + + + + + + 10 1 1.0

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEMUterus
Hydrometra

+ + + + + + + + + + 5 5 3.4

HEMATOPOIETIC SYSTEM

Spleen

+ + + + + + + + + + 10

Thymus

+ + + + + + + + + + 10

* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93020 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

DIISOPROPYLCARBODIIMIDE

CAS Number: 693-13-0

Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqsted: 08/08/2005

Time Report Reqsted: 08:53:32

First Dose M/F: 09/06/94 / 09/07/94

Lab: MBA

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--------------------------------|-----------------|---|---|---|---|---|---|---|---|---|
| | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| <hr/> | | | | | | | | | | |
| FISCHER 344 RATS FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 MG/KG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| <hr/> | | | | | | | | | | |
| | | | | | | | | | | |
| | * TOTALS | | | | | | | | | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|----|-----|
| Skin | + | + | + | + | + | + | + | + | + | + | 10 | |
| Epidermis, Skin, Site Of Application,
Hyperplasia | 1 | 1 | 1 | | | | | | | | 3 | 1.0 |

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

| | | | | | | | | | | | | |
|-------|---|---|---|---|---|---|---|---|---|---|----|--|
| Brain | + | + | + | + | + | + | + | + | + | + | 10 | |
|-------|---|---|---|---|---|---|---|---|---|---|----|--|

RESPIRATORY SYSTEM

NONE

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

NONE

* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93020 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

DIISOPROPYLCARBODIIMIDE

CAS Number: 693-13-0

Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqsted: 08/08/2005

Time Report Reqsted: 08:53:32

First Dose M/F: 09/06/94 / 09/07/94

Lab: MBA

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--|---|---|---|---|---|---|---|---|---|---|
| | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| FISCHER 344 RATS FEMALE
ANIMAL ID
40 MG/KG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

* TOTALS

ALIMENTARY SYSTEM

| | | | | | | | | | | | |
|----------------------------|---|---|---|---|---|---|---|---|---|---|-------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | 10 |
| Liver | + | + | + | + | + | + | + | + | + | + | 10 |
| Mesentery
Fat, Necrosis | + | | | | | | | | | | 1 |
| | | | | | | | | | | | 1 3.0 |
| Pancreas | + | + | + | + | + | + | + | + | + | + | 10 |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | 10 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | 10 |

* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93020 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

DIISOPROPYLCARBODIIMIDE

CAS Number: 693-13-0

Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqstd: 08/08/2005

Time Report Reqstd: 08:53:32

First Dose M/F: 09/06/94 / 09/07/94

Lab: MBA

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|
| | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| FISCHER 344 RATS FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 MG/KG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

*** TOTALS**

Stomach, Glandular

+ + + + + + + + + + 10

CARDIOVASCULAR SYSTEM

Blood Vessel

+ + + + + + + + + + 10

Heart
Cardiomyopathy

+ + + + + + + + + + 1 1 10 2 1.0

ENDOCRINE SYSTEM

Adrenal Cortex

+ + + + + + + + + + 10

Adrenal Medulla

+ + + + + + + + + + 10

Islets, Pancreatic

+ + + + + + + + + + 10

Parathyroid Gland

+ + + + M + + + + M 8

Pituitary Gland

+ + + + M + + + + + 9

Thyroid Gland

+ + + + + + + + + M 9

GENERAL BODY SYSTEM

* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93020 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

DIISOPROPYLCARBODIIMIDE

CAS Number: 693-13-0

Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqstd: 08/08/2005

Time Report Reqstd: 08:53:32

First Dose M/F: 09/06/94 / 09/07/94

Lab: MBA

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|
| | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| FISCHER 344 RATS FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 MG/KG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

*** TOTALS**

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|----|-----|
| Clitoral Gland
Inflammation, Chronic Active | + | M | + | M | M | + | + | M | + | + | 6 | |
| | | | | | | | | | | | 1 | 1.0 |
| Ovary
Cyst | + | + | + | + | + | + | + | + | + | + | 10 | |
| | | | | | | | | | | | 1 | 2.0 |
| Uterus
Hydrometra | + | + | + | + | + | + | + | + | + | + | 10 | |
| | 2 | | | | | | | 3 | 3 | 3 | 4 | 2.8 |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|----|-----|
| Bone Marrow
Hyperplasia, Focal, Lymphoid
Hyperplasia, Focal, Histiocytic | + | + | + | + | + | + | + | + | + | + | 10 | |
| | | | | 1 | | | | | | | 1 | 1.0 |
| | | | | 1 | | | | | | | 2 | 1.5 |
| Lymph Node, Mandibular | M | + | + | + | + | + | + | + | + | + | 9 | |
| Lymph Node, Mesenteric
Hyperplasia, Lymphoid
Hyperplasia, Histiocytic | + | + | + | + | + | + | + | + | + | + | 10 | |
| | 3 | | | | | | | | | | 1 | 3.0 |
| | | | | 2 | | | | | | | 1 | 2.0 |
| Spleen | + | + | + | + | + | + | + | + | + | + | 10 | |
| | | | | | | | | | | | | |

* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93020 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

DIISOPROPYLCARBODIIMIDE

CAS Number: 693-13-0

Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqsted: 08/08/2005

Time Report Reqsted: 08:53:32

First Dose M/F: 09/06/94 / 09/07/94

Lab: MBA

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--------------------------------|-----------------|---|---|---|---|---|---|---|---|---|
| | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| FISCHER 344 RATS FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 MG/KG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| | * TOTALS | | | | | | | | | |
| Thymus | + | + | + | + | + | + | + | + | + | + |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + |
| Skin | + | + | + | + | + | + | + | + | + | + |
| Epidermis, Skin, Site Of Application,
Hyperplasia | 1 | 1 | | | 1 | 1 | 1 | | | |
| | | | | | | | | | | |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|
| Bone | + | + | + | + | + | + | + | + | + | + |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + |

NERVOUS SYSTEM

| | | | | | | | | | | |
|------------------|---|---|---|---|---|---|---|---|---|---|
| Brain | + | + | + | + | + | + | + | + | + | + |
| Peripheral Nerve | + | + | + | + | + | + | + | + | + | + |
| Spinal Cord | + | + | + | + | + | + | + | + | + | + |

RESPIRATORY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93020 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

DIISOPROPYLCARBODIIMIDE

CAS Number: 693-13-0

Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqsted: 08/08/2005

Time Report Reqsted: 08:53:32

First Dose M/F: 09/06/94 / 09/07/94

Lab: MBA

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|
| | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| FISCHER 344 RATS FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 MG/KG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

*** TOTALS**

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|-------|
| Lung | + | + | + | + | + | + | + | + | + | + | 10 |
| Perivascular, Infiltration Cellular,
Lymphocyte | 4 | | | | | 4 | 1 | 2 | 1 | | 5 2.4 |
| Interstitium, Inflammation, Chronic Active | 2 | | | | | 2 | | | 1 | | 3 1.7 |
| Nose | + | + | + | + | + | + | + | + | + | + | 10 |
| Olfactory Epithelium, Inflammation,
Chronic Active | | | | | | | | | 1 | | 1 1.0 |
| Trachea | + | + | + | + | + | + | + | + | + | + | 10 |

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

| | | | | | | | | | | | |
|-------------------------|---|---|---|---|---|---|---|---|---|---|-------|
| Kidney | + | + | + | + | + | + | + | + | + | + | 10 |
| Medulla, Mineralization | 1 | 1 | | | 1 | 1 | 1 | | 1 | | 6 1.0 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | 10 |
| Serosa, Mineralization | | | | | | | | | 2 | | 1 2.0 |

* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 41

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93020 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

DIISOPROPYLCARBODIIMIDE

CAS Number: 693-13-0

Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqsted: 08/08/2005

Time Report Reqsted: 08:53:32

First Dose M/F: 09/06/94 / 09/07/94

Lab: MBA

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--|---|---|---|---|---|---|---|---|---|---|
| | 3 | 3 | 3 | 3 | 3 | 3 | 5 | 3 | 2 | 3 |
| | 8 | 1 | 1 | 0 | 8 | 9 | 9 | 0 | 7 | 9 |
| FISCHER 344 RATS FEMALE
ANIMAL ID
80 MG/KG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

*** TOTALS****ALIMENTARY SYSTEM**

| | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|-------|
| Esophagus | + | + | + | + | M | + | + | + | + | + | 9 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | 10 |
| Liver
Congestion | + | + | + | + | + | + | + | + | + | + | 10 |
| | | | | | 1 | | | | | | 1 1.0 |
| Pancreas | + | + | + | + | + | + | + | + | + | + | 10 |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | 10 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | 10 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | 10 |

* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93020 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

DIISOPROPYLCARBODIIMIDE

CAS Number: 693-13-0

Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqsted: 08/08/2005

Time Report Reqsted: 08:53:32

First Dose M/F: 09/06/94 / 09/07/94

Lab: MBA

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|
| | 3 | 3 | 3 | 3 | 3 | 3 | 5 | 3 | 2 | 3 |
| | 8 | 1 | 1 | 0 | 8 | 9 | 9 | 0 | 7 | 9 |
| FISCHER 344 RATS FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 80 MG/KG | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

*** TOTALS**

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | |
|-------------------------|---|---|---|---|---|---|---|---|---|---|----|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | 10 |
| Heart
Cardiomyopathy | + | + | + | + | + | + | + | + | + | + | 10 |

2 1.0

ENDOCRINE SYSTEM

| | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|----|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | 10 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | 10 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | 10 |
| Parathyroid Gland | + | + | + | + | + | + | + | M | + | + | 9 |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | 10 |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | 10 |

GENERAL BODY SYSTEM

NONE

* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93020 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

DIISOPROPYLCARBODIIMIDE

CAS Number: 693-13-0

Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqstd: 08/08/2005

Time Report Reqstd: 08:53:32

First Dose M/F: 09/06/94 / 09/07/94

Lab: MBA

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|
| | 3 | 3 | 3 | 3 | 3 | 3 | 5 | 3 | 2 | 3 |
| | 8 | 1 | 1 | 0 | 8 | 9 | 9 | 0 | 7 | 9 |
| FISCHER 344 RATS FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 80 MG/KG | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

*** TOTALS****GENITAL SYSTEM**

| | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland
Inflammation, Chronic Active | + | + | + | + | + | + | + | + | + | + |
| | | | | 1 | | 1 | | | | |
| Ovary | + | + | + | + | + | + | + | + | + | + |
| Uterus | + | + | + | + | + | + | + | + | + | + |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow
Hemorrhage
Atrophy | + | + | + | + | + | + | + | + | + | + |
| | | | | 1 | | | | | | |
| | | | | | 1 | | | | | |
| Lymph Node, Mandibular
Hemorrhage
Hyperplasia, Lymphoid | + | + | + | + | + | + | + | + | M | + |
| | | | | 2 | | | | | | |
| | | | | | 2 | | | | | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + |
| Spleen | + | + | + | + | + | + | + | + | + | + |
| Thymus
Atrophy | + | + | + | + | + | + | + | + | + | + |
| | | | | 3 | | 2 | | 2 | 2 | |

* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93020 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

DIISOPROPYLCARBODIIMIDE

CAS Number: 693-13-0

Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqsted: 08/08/2005

Time Report Reqsted: 08:53:32

First Dose M/F: 09/06/94 / 09/07/94

Lab: MBA

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-------------------------|---|---|---|---|---|---|---|---|---|---|
| | 3 | 3 | 3 | 3 | 3 | 3 | 5 | 3 | 2 | 3 |
| | 8 | 1 | 1 | 0 | 8 | 9 | 9 | 0 | 7 | 9 |
| FISCHER 344 RATS FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 80 MG/KG | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

* TOTALS

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|--------|
| Mammary Gland | + | + | + | + | + | + | M | + | + | + | 9 |
| Skin | + | + | + | + | + | + | + | + | + | + | 10 |
| Epidermis, Skin, Site Of Application,
Hyperplasia | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 2 | 2 | 1 | 10 1.4 |
| Skin, Site Of Application, Inflammation,
Chronic Active | 1 | 1 | 1 | | | | 1 | 1 | 1 | 1 | 7 1.0 |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|----|
| Bone | + | + | + | + | + | + | + | + | + | + | 10 |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | 10 |

NERVOUS SYSTEM

| | | | | | | | | | | | |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|-------|
| Brain | + | + | + | + | + | + | + | + | + | + | 10 |
| Edema, Focal | 1 | | | | 1 | 1 | 1 | | | 1 | 5 1.0 |
| Hemorrhage | 3 | 1 | | 3 | 2 | | 2 | | | | 5 2.2 |
| Neuron, Necrosis | 2 | | 2 | 2 | 1 | 3 | | 3 | 4 | | 8 2.4 |
| Arteriole, Necrosis, Fibrinoid | 1 | | | | | | | | | | 1 1.0 |
| Peripheral Nerve | + | + | + | + | + | + | + | + | + | + | 10 |

* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93020 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

DIISOPROPYLCARBODIIMIDE

CAS Number: 693-13-0

Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqsted: 08/08/2005

Time Report Reqsted: 08:53:32

First Dose M/F: 09/06/94 / 09/07/94

Lab: MBA

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--------------------------------|-----------------|---|---|---|---|---|---|---|---|----|
| | 3 | 3 | 3 | 3 | 3 | 3 | 5 | 3 | 2 | 3 |
| | 8 | 1 | 1 | 0 | 8 | 9 | 9 | 0 | 7 | 9 |
| FISCHER 344 RATS FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 80 MG/KG | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| | * TOTALS | | | | | | | | | |
| Spinal Cord | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | | 10 |

RESPIRATORY SYSTEM

| | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|----|
| Lung | + | + | + | + | + | + | + | + | + | + |
| Congestion | 1 | 2 | 2 | 2 | | | 2 | | | |
| Perivascular, Infiltration Cellular,
Lymphocyte | | | 1 | | | 3 | 2 | 3 | | |
| Hemorrhage | | | | | | 2 | | | | |
| Nose | + | + | + | + | + | + | + | + | + | + |
| Squamous Epithelium, Inflammation,
Chronic Active | | | | 1 | | | | | | |
| Respiratory Epithelium, Atrophy | | | | | 1 | | | | | |
| Trachea | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | | 10 |

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

| | | | | | | | | | | |
|-------------------------|---|---|---|---|---|---|---|---|---|----|
| Kidney | + | + | + | + | + | + | + | + | + | + |
| Medulla, Mineralization | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Congestion | | | | | 2 | | | | | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | | 10 |

* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93020 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

DIISOPROPYLCARBODIIMIDE

CAS Number: 693-13-0

Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqstd: 08/08/2005

Time Report Reqstd: 08:53:32

First Dose M/F: 09/06/94 / 09/07/94

Lab: MBA

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|
| | 3 | 3 | 3 | 3 | 3 | 3 | 5 | 3 | 2 | 3 |
| | 8 | 1 | 1 | 0 | 8 | 9 | 9 | 0 | 7 | 9 |
| <hr/> | | | | | | | | | | |
| FISCHER 344 RATS FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 80 MG/KG | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

* TOTALS

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93020 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

DIISOPROPYLCARBODIIMIDE

CAS Number: 693-13-0

Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqsted: 08/08/2005

Time Report Reqsted: 08:53:32

First Dose M/F: 09/06/94 / 09/07/94

Lab: MBA

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| FISCHER 344 RATS FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 160 MG/KG | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

*** TOTALS****ALIMENTARY SYSTEM**

| | | | | | | | | | | | |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|-------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | 10 |
| Liver
Centrilobular, Congestion | + | + | + | + | + | + | + | + | + | + | 10 |
| | | | | | 1 | | 1 | | | | 2 1.0 |
| Pancreas | + | + | + | + | + | + | + | + | + | + | 10 |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | 10 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | 10 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | 10 |

* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93020 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

DIISOPROPYLCARBODIIMIDE

CAS Number: 693-13-0

Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqsted: 08/08/2005

Time Report Reqsted: 08:53:32

First Dose M/F: 09/06/94 / 09/07/94

Lab: MBA

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--------------------------------|-----------------|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| FISCHER 344 RATS FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 160 MG/KG | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| | * TOTALS | | | | | | | | | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | |
|--------------|---|---|---|---|---|---|---|---|---|---|----|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | 10 |
| Heart | + | + | + | + | + | + | + | + | + | + | 10 |

ENDOCRINE SYSTEM

| | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|----|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | 10 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | 10 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | 10 |
| Parathyroid Gland | + | + | + | M | + | M | + | + | + | + | 8 |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | 10 |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | 10 |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93020 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

DIISOPROPYLCARBODIIMIDE

CAS Number: 693-13-0

Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqsted: 08/08/2005

Time Report Reqsted: 08:53:32

First Dose M/F: 09/06/94 / 09/07/94

Lab: MBA

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--------------------------------|-----------------|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| FISCHER 344 RATS FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 160 MG/KG | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| | * TOTALS | | | | | | | | | |

| | | | | | | | | | | |
|--|--------------|---|---|---|---|---|---|---|---|---|
| Clitoral Gland
Inflammation, Chronic Active | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | | 1 |
| Ovary | + | + | + | + | + | + | + | + | + | + |
| Uterus
Hydrometra | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | | 2 |
| | 10 | | | | | | | | | |
| | 1 1.0 | | | | | | | | | |
| | 10 | | | | | | | | | |
| | 1 2.0 | | | | | | | | | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | |
|---|--------------|---|---|---|---|---|---|---|---|---|
| Bone Marrow
Hemorrhage | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | | 2 |
| Lymph Node, Mandibular
Hyperplasia, Lymphoid | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | | 2 |
| Ovary | + | + | + | + | + | + | + | + | + | + |
| Uterus
Hydrometra | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | | 2 |
| | 10 | | | | | | | | | |
| | 2 2.0 | | | | | | | | | |
| | 10 | | | | | | | | | |
| | 2 2.0 | | | | | | | | | |
| | 10 | | | | | | | | | |
| | 1 3.0 | | | | | | | | | |

INTEGUMENTARY SYSTEM

* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93020 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

DIISOPROPYLCARBODIIMIDE

CAS Number: 693-13-0

Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqsted: 08/08/2005

Time Report Reqsted: 08:53:32

First Dose M/F: 09/06/94 / 09/07/94

Lab: MBA

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| FISCHER 344 RATS FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 160 MG/KG | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

*** TOTALS**

| | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|--------|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | 10 |
| <hr/> | | | | | | | | | | | |
| Skin | + | + | + | + | + | + | + | + | + | + | 10 |
| Epidermis, Skin, Site Of Application,
Hyperplasia | 2 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 10 2.8 |
| Skin, Site Of Application, Inflammation,
Chronic Active | 3 | 3 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 10 3.7 |
| Epidermis, Skin, Site Of Application,
Necrosis, Focal | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 10 1.6 |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|----|
| Bone | + | + | + | + | + | + | + | + | + | + | 10 |
| <hr/> | | | | | | | | | | | |
| Skeletal Muscle | + | + | + | + | + | + | + | + | + | + | 10 |

NERVOUS SYSTEM

| | | | | | | | | | | | |
|------------------|---|---|---|---|---|---|---|---|---|---|-------|
| Brain | + | + | + | + | + | + | + | + | + | + | 10 |
| Hemorrhage | 2 | 1 | 3 | 3 | 1 | | | | | | 6 2.0 |
| Edema, Focal | | | 1 | 1 | | | | | | | 2 1.0 |
| Neuron, Necrosis | | | 4 | 4 | | | | | | | 2 4.0 |
| <hr/> | | | | | | | | | | | |
| Peripheral Nerve | + | + | + | + | + | + | + | + | + | + | 10 |
| <hr/> | | | | | | | | | | | |
| Spinal Cord | + | + | + | + | + | + | + | + | + | + | 10 |

* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 93020 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

DIISOPROPYLCARBODIIMIDE

CAS Number: 693-13-0

Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqsted: 08/08/2005

Time Report Reqsted: 08:53:32

First Dose M/F: 09/06/94 / 09/07/94

Lab: MBA

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| FISCHER 344 RATS FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 160 MG/KG | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

*** TOTALS**

RESPIRATORY SYSTEM

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|-------|
| Lung | + | + | + | + | + | + | + | + | + | + | 10 |
| Congestion | 2 | 2 | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 2 | 8 2.5 |
| Nose | + | + | + | + | + | + | + | + | + | + | 10 |
| Respiratory Epithelium, Inflammation,
Chronic Active | | | | | | | 1 | 1 | | | 2 1.0 |
| Trachea | + | + | + | + | + | + | + | + | + | + | 10 |

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

| | | | | | | | | | | | |
|-------------------------|---|---|---|---|---|---|---|---|---|---|-------|
| Kidney | + | + | + | + | + | + | + | + | + | + | 10 |
| Congestion | | | | | | | 2 | | | | 1 2.0 |
| Medulla, Mineralization | | | | | | | 1 | 1 | | | 3 1.0 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | 10 |

*** END OF REPORT ***

* ... Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked